

AMENDMENTS TO THE CLAIMS

Applicant submits below a complete listing of the current claims, including marked-up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing. This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of the Claims

1-65. (Cancelled)

66. (Currently amended) A method for operating a user characterization system, which executes on a computer separate from a remote user wearing a thin client wearable computer, to provide information about a current state of the remote user of the thin client wearable computer, the user characterization system modeling the current state with multiple state attributes and including state server modules (SSMs) to supply values for the state attributes, state client modules (SCMs) to process values for the state attributes, and an intermediary module to facilitate exchange of state attribute values, the method comprising:

under control of each SSM of the user characterization system, gathering information about the current state of the remote user wirelessly from the thin client wearable computer, generating values for at least one of the state attributes based on the gathered information, and sending the generated values to the intermediary module;

under control of each SCM of the user characterization system, receiving values for at least one state attribute from the intermediary module and performing processing based on the received values;

under control of the intermediary module of the user characterization system, facilitating exchange of values by,

receiving the sent values for the state attributes from the SSMs; and

automatically modeling values of other state attributes based at least in part on the sent values of the state attributes by abstracting a ~~transient physiological~~ an activity of the

user ~~condition~~ derived from the sent values of the state attributes of a lower level of abstraction;
sending at least some of the received state attribute values and at least some of the modeled other state attribute values to the SCMs; and
interacting with the thin client wearable computer, the interacting comprising:
 ~~providing information about the current state of the remote user~~ a value for at least one of the modeled other state attributes to the thin client wearable computer, said value indicating the activity of the user, and
 receiving information about the current state of the remote user from the thin client wearable computer, ~~the interacting being based at least in part on the modeled other state attribute values~~.

67. (Previously presented) The method of claim 66 wherein the thin client wearable computer includes an output device, and wherein the interacting with the thin client wearable computer includes sending information about the current state for presentation to the remote user on the output device.

68-70. (Canceled)

71. (Previously presented) The method of claim 66 wherein the thin client wearable computer lacks resources accessible to the computer executing the user characterization system, and wherein the interacting with the thin client wearable computer includes receiving a request to access at least one of the resources on behalf of the thin client wearable computer and accessing those resources in response.

72. (Previously presented) The method of claim 71 wherein the at least one resources include processing capabilities of the computer executing the user characterization system, wherein the accessing of those resources includes using the processing capabilities on behalf of the thin

client wearable computer, and including sending an indication of results to the thin client wearable computer.

73. (Canceled)

74. (Previously presented) The method of claim 71 wherein the at least one resources include a computer-readable storage medium of the computer executing the user characterization system, and wherein the accessing of those resources includes storing information received from the thin client wearable computer on the computer-readable storage medium.

75. (Previously presented) The method of claim 71 wherein the computer executing the user characterization system has a sensor receiving information about the remote user of the thin client wearable computer, and wherein the gathering of the information about the current state of the remote user by at least one of the SSMS includes obtaining information from the sensor.

76. (Canceled)

77. (Original) The method of claim 66 wherein the gathering of the information about the current state of the user by at least one of the SSMS includes obtaining information from at least one sensor that is part of the thin client wearable computer.

78. (Original) The method of claim 66 wherein the performing of the processing based on the received values by at least one of the SCMS includes supplying information to at least one output device that is part of the thin client wearable computer.

79-81. (Canceled)

82. (Original) The method of claim 66 wherein at least some of the SSMs are available to supply values for additional state attributes of a current state other than for the user, and wherein the intermediary module additionally sends values for the additional state attributes to SCMs.

83-173. (Cancelled)

174. (Currently amended) The method of claim 66, wherein:
the state attributes comprise a geographic location and speed,
generating values under control of each SSM comprises generating values for the state attributes of geographic location and speed,
abstracting the ~~transient-physiological activity of the~~ user ~~condition~~ is derived in part from the sent values of the state attributes for the geographic location and the speed, and
interacting with the thin client wearable computer comprises wirelessly transmitting the ~~transient-physiological activity of the~~ user ~~condition~~ to the thin client wearable computer from the user characterization system.

175. (Currently amended) The method of claim 66, wherein:
abstracting the ~~transient-physiological activity of the~~ user ~~condition~~ comprises characterizing or inferring from the sent values of the state attributes ~~which are based on physical activity of the user, that~~ the user's current activity comprises talking.

176-180. (Canceled)

181. (Currently amended) The method of claim 66, wherein the ~~transient-physiological activity of the~~ user ~~condition~~ is derived in part from sent values of the state attributes based in part on ambient environmental information.

182-183. (Canceled)

184. (Currently amended) The computer-readable storage medium of claim [[191]] 192, wherein the ~~transient-physiological-condition~~ activity of the user abstracted is the activity of exercising.

185. (Currently amended) The computer-readable storage medium of claim [[191]] 192, wherein the ~~transient-physiological-condition~~ activity of the user abstracted is the activity of talking.

186. (Previously presented) A system that communicates wirelessly with a mobile computer at a remote location to provide ~~information about~~ at least a portion of a current state ~~[[at]]~~ to the remote location computer, the current state modeled with multiple state attributes, the system comprising:

a receiver to wirelessly receive sensor data from the mobile computer;

a processor configured to execute computer-executable instructions for performing a process

of:

obtaining first values for at least one of the state attributes based on the sensor data;

and

modeling a second value of a second state attribute based at least in part on the first values, the second values modeled by abstracting a ~~condition~~ user activity derived from the first values, the first values being from a lower level of abstraction than the second value;

and

a transmitter for wirelessly transmitting ~~information about the~~ at least a portion of the current state from the system to the remote computer, the ~~information about~~ at least a portion of the current state including the second value indicating the user activity.

187. (Previously presented) The system of claim 186, wherein the current state is the current state of a remote user of the mobile computer.

188. (Currently amended) The system of claim 187, wherein the ~~condition~~ abstracted user activity is a ~~physiological-condition~~ an activity of the remote user.

189. (Previously presented) The system of claim 188, wherein the remote computer is a thin client computer that is wearable by the remote user and has an output device for presenting the information about the current state of the remote user received from the system.

190. (Currently amended) A computer-readable storage medium having computer-executable instructions that, when executed by a first computer, perform a method of implementing a system that communicates wirelessly with a mobile computer at a remote location to provide ~~information about~~ at least a portion of a current state ~~of a remote user~~ to the mobile computer, the current state modeled with multiple state attributes, the method comprising:

receiving data about ~~[[the]]~~ an environment ~~of the remote user~~ from fixed sensors coupled to the first computer ~~and from remote sensors operating at the remote location~~;

obtaining first environment values for at least one of the state attributes based on the data received from the fixed ~~and remote~~ sensors;

~~automatically modeling second values of other state attribute based at least in part on the first values, the second values modeled by abstracting a transient physiological user condition derived from the first values, the first values being from a lower level of abstraction than the second values; and~~

~~transmitting information about the~~ at least a portion of the current state ~~of the remote user~~ from the system to the mobile computer, ~~the information about~~ at least a portion of the current state including at least one of the ~~second~~ environment values.

191. (Canceled)

192. (New) The computer-readable storage medium of claim 190, further comprising:
receiving physiological data for a user of the mobile computer from other remote sensors operating at the remote location;

obtaining first values for at least one other of the state attributes based on the received physiological data; and

automatically modeling an activity of the user for a second state attribute, the derived based at least in part from the first values,

wherein the at least a portion of the current state comprises the second state attribute and transmitting the at least a portion of the current state comprises transmitting the modeled activity of the user from the system to the mobile computer.